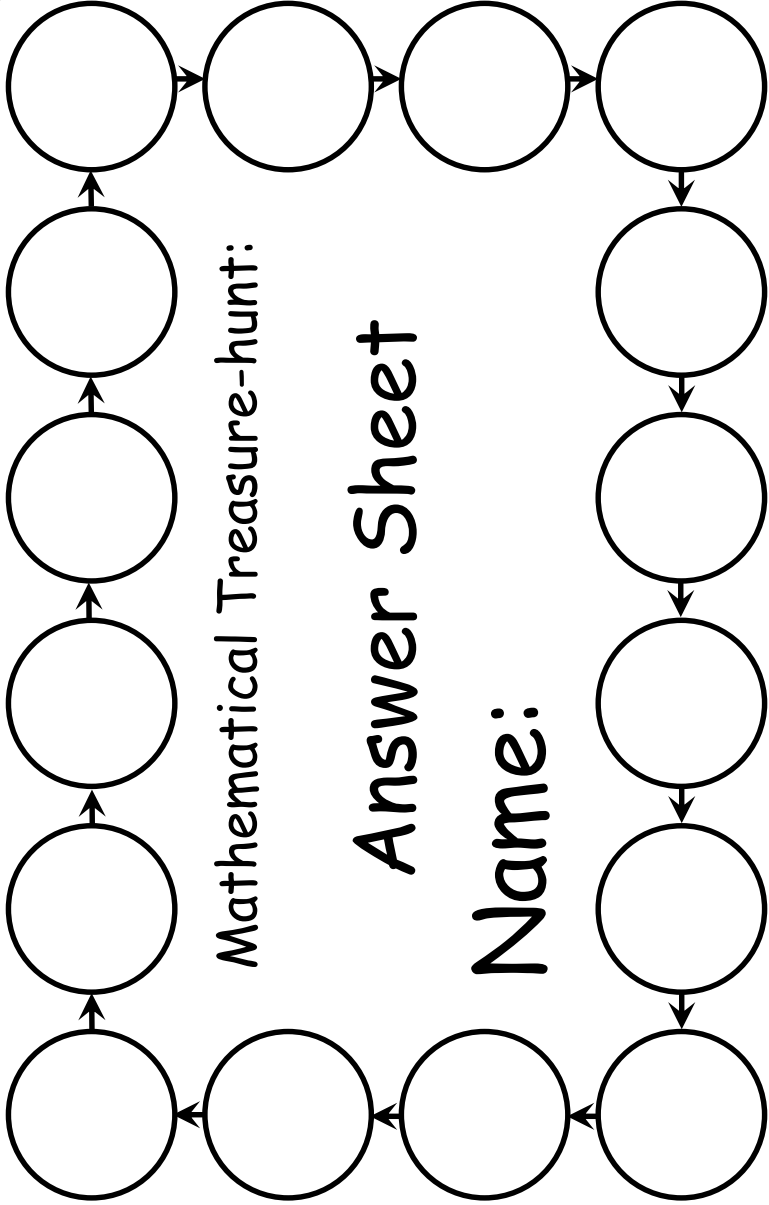# Mathematical Treasure-hunt:

Cut out each of the question slides and place them around the room, stick them on the walls if you wish.

Print out and distribute the answer sheet, one per pupil, or team, and set them off to find the answers.
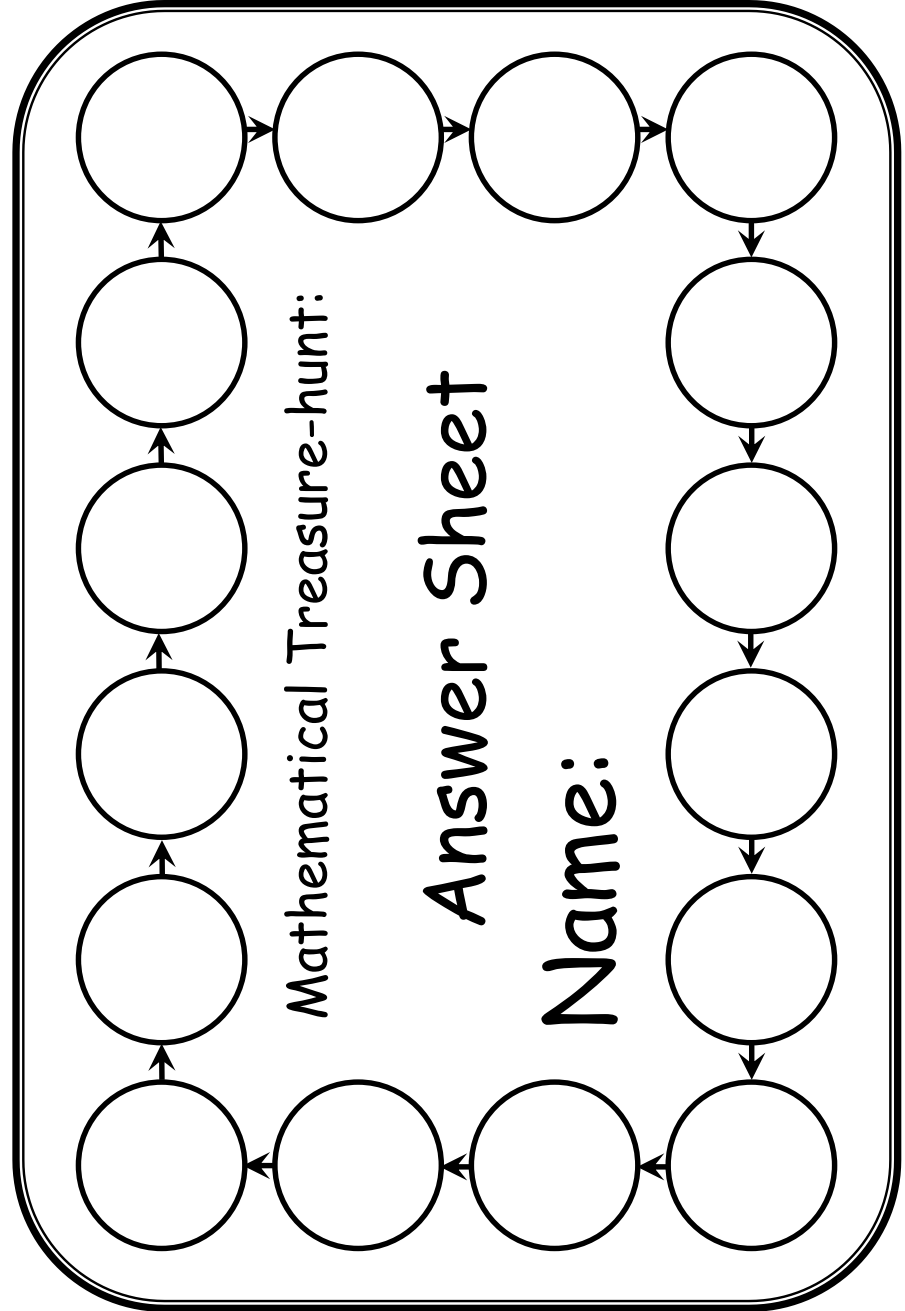
The correct answer is:

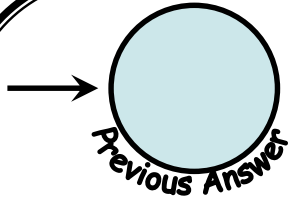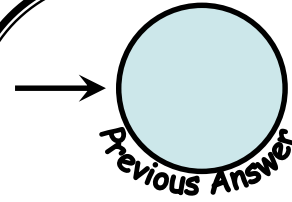**Mathematical Treasure-hunt:**

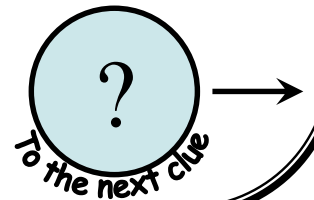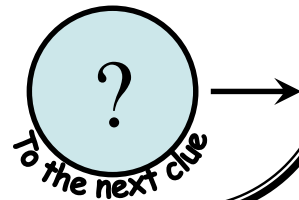# Answer Sheet

Name:

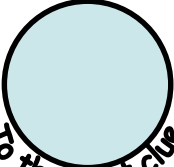**Mathematical Treasure-hunt:**

Answer Sheet

Name:
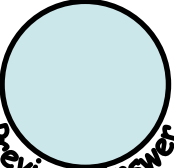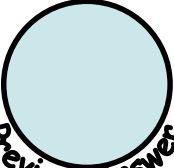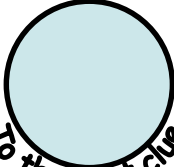
Mathematical
Treasure-hunt:

?

To the next clue

Mathematical Treasure-hunt:

→ Previous Answer

To the next clue →

Mathematical Treasure-hunt:

→ Previous Answer

To the next clue →

$x+20$
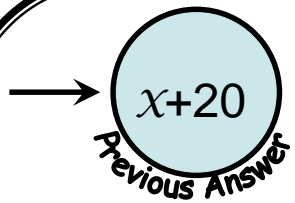
In this parallelogram, two of the angles are shown. What is x?
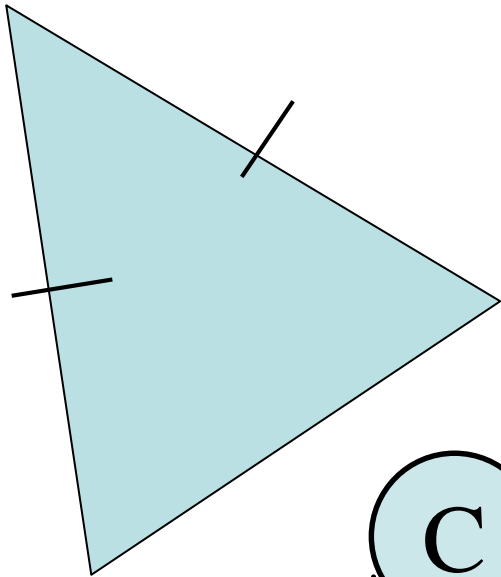
$(x+30)^o$ $2x^o$

A
To the next clue

$4x+320$
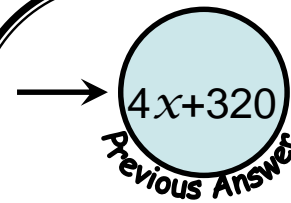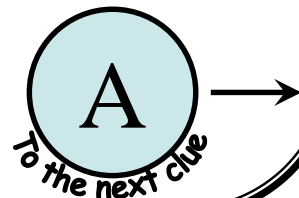
I'm thinking of a number which I then double and add 30. Half that answer is 325. What was the number I first thought of?

B
To the next clue
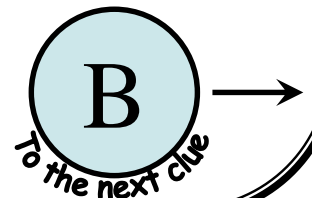
Previous Answer
310-2x

In this isosceles triangle, each base angle is $(x+30)^o$. How many degrees is the third angle?

C
To the next clue

Previous Answer
50

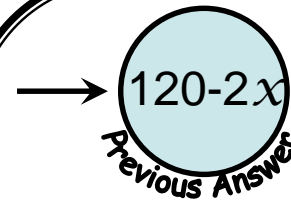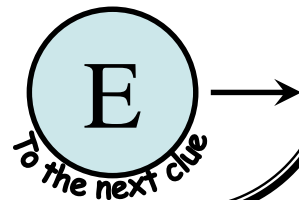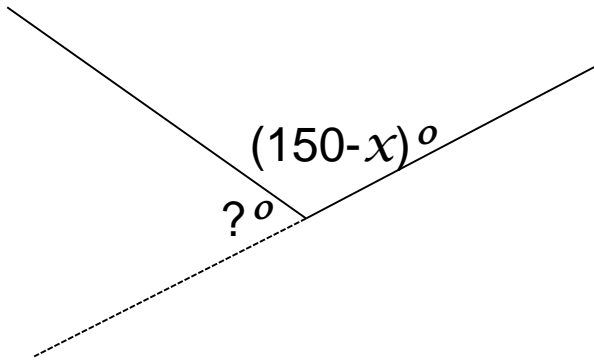My friend and I have up to £600 between us to spend on a holiday. Travel will cost us £15 each. What's the biggest number of pounds we can each spend on the rest of the holiday?
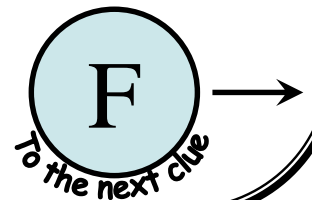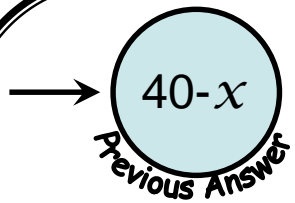
D
To the next clue

(150-x)^o

?^{o}
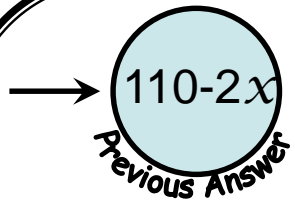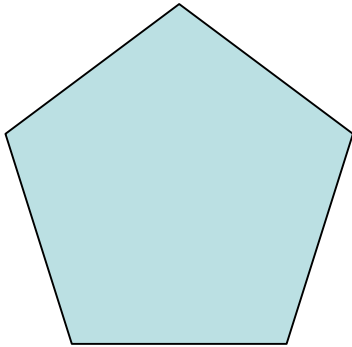
Grandma invested some money 40 years ago and it's now worth ten times as much. If she adds £200 to it, she can give each of her 6 grandchildren £500 each. How many pounds did she invest in the first place?
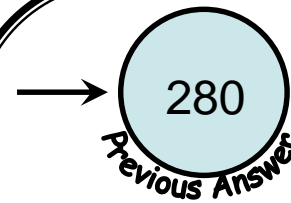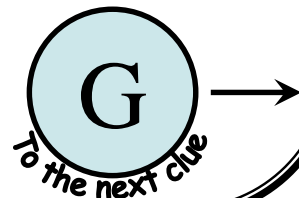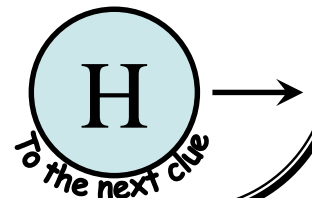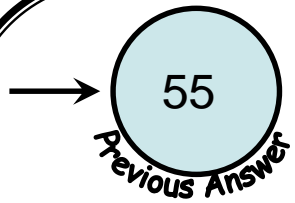
40-x

The perimeter of this regular pentagon is (5x+100) cm. How many cm is each edge?

G

280
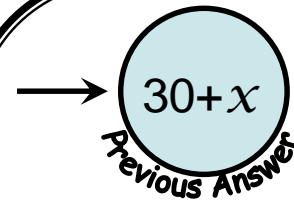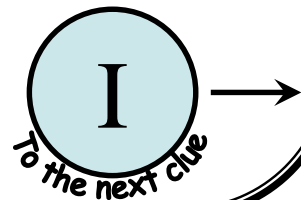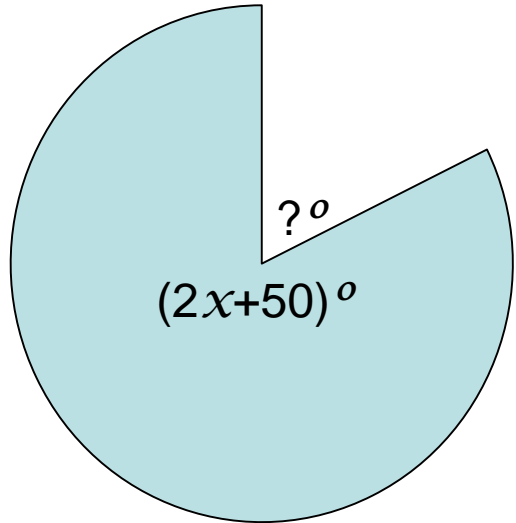
In the rectangle below, the shorter sides are each x metres and the longer sides each 160m longer than that. How many metres is the perimeter, in terms of x?
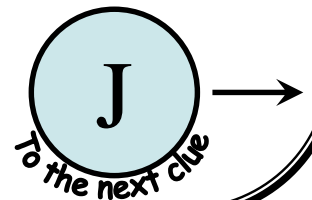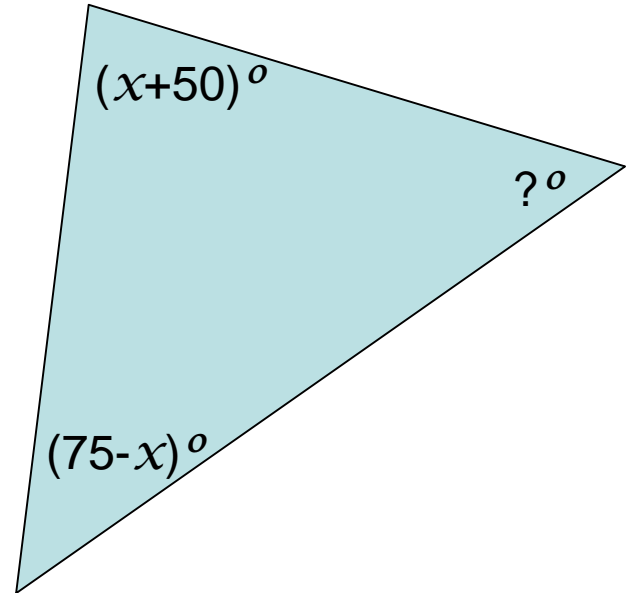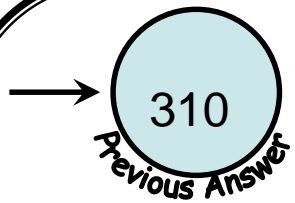
H

55

Previous Answer

$30+x$

Previous Answer

$(2x+50)^o$

$?^o$

$(x+50)^o$

$?^o$

$(75-x)^o$

I

To the next clue

J

To the next clue

$(x+50)^o$

$?^o$

$(150-x)^o$

$(2x+30)^o$

$(x+70)^o$

$?^o$